

SEQUENCE LISTING

<110> Wei, Ying-Fei et al.

<120> Transforming Growth Factor Alpha HIII

<130> PF220P1

<140> Unassigned

<141> 2000-12-01

<150> 08/778,545

<151> 1997-01-03

<150> 60/011,136

<151> 1996-01-04

<150> 60/168,387

<151> 1999-12-02

<160> 21

<170> PatentIn version 3.0

<210> 1

<211> 923

<212> DNA

<213> homo sapiens

<400> 1

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cctgcaagca aacccctca aaggtgactt ggccaacacc ttccgtggct ttactcagct      360
ccagactctg atactgccac aacatgtcaa ctgtcctgga ggaattaatg cctggaatac      420
tatcacctct tatatagaca accaaatctg tcaagggcaa aagaacctt gcaataacac      480
tggggaccca gaaatgtgtc ctgagaatgg atcttgtgta cctgatggc caggtctttt      540
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agatcaatct gaactatctt agcccagtca gggagctctg cttcctagaa aggcactctt      780
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ttttaaaaaa aaaaaaaaaa aaa 923

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<211> 229

<212> PRT

<213> homo sapiens

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1 5 10 15

Ala Ala Leu Leu Leu Ala Leu Gly Val Glu Arg Ala Leu Ala Leu Pro
20 25 30

Glu Ile Cys Thr Gln Cys Pro Gly Ser Val Gln Asn Leu Ser Lys Val
35 40 45

Ala Phe Tyr Cys Lys Thr Thr Arg Glu Leu Met Leu His Ala Arg Cys
50 55 60

Cys Leu Asn Gln Lys Gly Thr Ile Leu Gly Leu Asp Leu Gln Asn Cys
65 70 75 80

Ser Leu Glu Asp Pro Gly Pro Asn Phe His Gln Ala His Thr Thr Val
85 90 95

Ile Ile Asp Leu Gln Ala Asn Pro Leu Lys Gly Asp Leu Ala Asn Thr
100 105 110

Phe Arg Gly Phe Thr Gln Leu Gln Thr Leu Ile Leu Pro Gln His Val
115 120 125

Asn Cys Pro Gly Gly Ile Asn Ala Trp Asn Thr Ile Thr Ser Tyr Ile
130 135 140

Asp Asn Gln Ile Cys Gln Gly Gln Lys Asn Leu Cys Asn Asn Thr Gly
145 150 155 160

Asp Pro Glu Met Cys Pro Glu Asn Gly Ser Cys Val Pro Asp Gly Pro
165 170 175

Gly Leu Leu Gln Cys Val Cys Ala Asp Gly Phe His Gly Tyr Lys Cys
180 185 190

Met Arg Gln Gly Ser Phe Ser Leu Leu Met Phe Phe Gly Ile Leu Gly
195 200 205

Ala Thr Thr Leu Ser Val Ser Ile Leu Leu Trp Ala Thr Gln Arg Arg
210 215 220

Lys Ala Lys Thr Ser
225

<210> 3

<211> 52
 <212> PRT
 <213> homo sapiens

<400> 3

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 1 5 10 15

Glu Asn Gly Ser Cys Val Pro Asp Gly Pro Gly Leu Leu Gln Cys Val
 20 25 30

Cys Ala Asp Gly Phe His Gly Tyr Lys Cys Met Arg Gln Gly Ser Phe
 35 40 45

Ser Leu Leu Met
 50

<210> 4
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 tctcccggaac tcctgaggtc acatgcgtgg tgggtggacgt aagccacgaa gaccctgagg 180
 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
 ggctgaatgg caaggagtac aagtgcgaagg tctccaacaa agccctccca acccccatcg 360
 agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
 catccccgga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480
 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540
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 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660
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 gactctagag gat 733

<210> 5
 <211> 5
 <212> PRT
 <213> WSXWS motif

<220>
 <221> SITE

<222> (3)..(3)
 <223> Xaa equals any amino acid

<400> 5

Trp Ser Xaa Trp Ser
 1 5

<210> 6
 <211> 86
 <212> DNA
 <213> oligonucleotide

<220>
 <221> protein_bind
 <222> (1)..(86)
 <223> 5' primer containing 18bp complementary to SV40 promotor and
 an XhoI site

<400> 6
 gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
 cccgaaatat ctgccatctc aattag 86

<210> 7
 <211> 27
 <212> DNA
 <213> oligonucleotide

<220>
 <221> protein_bind
 <222> (1)..(27)
 <223> 3' primer containing sequence complementary to SV40
 promotor and a HindIII site

<400> 7
 gcggcaagct ttttgcaaag cctaggc 27

<210> 8
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 8
 ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg 60
 aaatatctgc catctcaatt agtcagcaac catagtcccc ccctaactc cgcccatccc 120
 gccctaact ccgcccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat 180
 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggcctt 240
 ttttgagggc ctaggctttt gcaaaaagct t 271

<210> 9
 <211> 32
 <212> DNA
 <213> oligonucleotide

<220>
 <221> primer_bind
 <222> (1)..(32)
 <223> 5' PCR primer

<400> 9
 gcgctcgagg gatgacagcg atagaacccc gg

32

<210> 10
 <211> 31
 <212> DNA
 <213> oligonucleotide

<220>
 <221> primer_bind
 <222> (1)..(31)
 <223> 3' PCR primer

<400> 10
 gcgaagcttc gcgactcccc ggatccgcct c

31

<210> 11
 <211> 12
 <212> DNA
 <213> oligonucleotide

<220>
 <221> primer_bind
 <222> (1)..(12)
 <223> NF-KB repeat in upstream primer

<400> 11
 ggggactttc cc

12

<210> 12
 <211> 73
 <212> DNA
 <213> oligonucleotide

<220>
 <221> primer_bind
 <222> (1)..(73)
 <223> 5' primer containing the NF-KB binding site, 18bp
 complementary to SV40 promotor, and an XhoI site

<400> 12
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 ccattctcaat tag 73

<210> 13
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 13
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 caattagtca gcaaccatag tcccgccctt aactccgccc atcccgcccc taactccgcc 120
 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
 cttttgcaaa aagctt 256

<210> 14
 <211> 27
 <212> DNA
 <213> oligonucleotide

<220>
 <221> primer_bind
 <222> (1)..(27)
 <223> 5' primer containing a BamHI site and 18nt of TGF alpha HIII

<400> 14
 cgcggatccg ggcaaaagaa cctttgc 27

<210> 15
 <211> 30
 <212> DNA
 <213> oligonucleotide

<220>
 <221> primer_bind
 <222> (1)..(30)
 <223> 3' primer containing an XbaI site and 21 nt of TGF alpha HIII

<400> 15
 gcgtctagac taaagcagtg agaacgagcc 30

<210> 16
 <211> 34
 <212> DNA
 <213> oligonucleotide

<220>
 <221> primer_bind
 <222> (1)..(34)
 <223> 5' primer containing a BamHI site

<400> 16
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34

<210> 17
 <211> 33
 <212> DNA
 <213> oligonucleotide

<220>
 <221> primer_bind
 <222> (1)..(33)
 <223> 3' primer containing an XbaI site

<400> 17
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33

<210> 18
 <211> 28
 <212> DNA
 <213> oligonucleotide

<220>
 <221> primer_bind
 <222> (1)..(28)
 <223> 5' primer containing a BamHI site

<400> 18
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28

<210> 19
 <211> 33
 <212> DNA
 <213> oligonucleotide

<220>
 <221> primer_bind
 <222> (1)..(33)
 <223> 3' primer containing an XbaI site

<400> 19
 gcgtctagac tacataagca gtgagaacga gcc

33

<210> 20
 <211> 34

$\langle 220 \rangle$

$\langle 222 \rangle$ (1) . . (34)

<400> 20

34

<211> 30

<213> oligonucleotide

<221> protein_bind

<223> 3' primer containing an XhoI site and 21 nt of TGF alpha HIII

30